

# SYSTEM AND METHOD FOR DETECTING CABLE FAULTS FOR HIGH-SPEED TRANSMISSION LINK

## Abstract

A system and method of detecting a fault in a transmission link are provided which includes providing a selectable reference level according to one of a direct current (DC) mode threshold and an alternating current (AC) mode threshold, wherein the DC mode threshold is a fixed potential and the AC mode threshold varies with time. An input signal arriving from the transmission link is compared to one of the DC mode threshold and the AC mode threshold to determine whether a fault is present in the transmission link.